[CLAIMS]

1. A laminated core comprising:

a plurality of electrical steel sheets stacked on each other and coated with an insulation coating on both surfaces thereof; and

an adhesion part provided between the electrical steel sheets adjacent to each other in a stacking direction and configured to adhere the electrical steel sheets to each other,

wherein an adhesion area ratio of the electrical steel sheet by the adhesion part is 1% or more and 40% or less,

the electrical steel sheet includes an annular core back part and a plurality of tooth parts which protrude from the core back part in a radial direction of the core back part and are disposed at intervals in a circumferential direction of the core back part,

the adhesion part includes a second adhesion part provided along an inner peripheral edge of the electrical steel sheet,

the second adhesion part includes a plurality of tooth parts and a plurality of core back parts,

the plurality of tooth parts are provided at intervals in the circumferential direction, and are respectively disposed in the tooth parts, and

the plurality of core back parts are disposed in the core back part, and connect the tooth parts adjacent to each other in the circumferential direction.

2. The laminated core according to claim 1, wherein the adhesion area ratio is 1% or more and 20% or less.

3. The laminated core according to claim 1, wherein a non-adhesion region of the electrical steel sheet in which the adhesion part is not provided is formed between an adhesion region of the electrical steel sheet in which the adhesion part is provided and the peripheral edge of the electrical steel sheet.

4. The laminated core according to claim 3, wherein the adhesion part includes a first adhesion part provided along an outer peripheral edge of the electrical steel sheet, and

the non-adhesion region of the electrical steel sheet is formed between the adhesion region of the electrical steel sheet in which the first adhesion part is provided and the outer peripheral edge of the electrical steel sheet.

5. The laminated core according to claim 3, wherein the non-adhesion region of the electrical steel sheet is formed between the adhesion region of the electrical steel sheet in which the second adhesion part is provided and the inner peripheral edge of the electrical steel sheet.

6. The laminated core according to claim 1, wherein an adhesion area of the core back part by the adhesion part is equal to or larger than an adhesion area of the tooth part by the adhesion part.

7. The laminated core according to claim 1, wherein the electrical steel sheet includes an annular core back part and a plurality of tooth parts which protrude inward from the core back part in a radial direction of the core back part and are disposed at intervals in a circumferential direction of the core back part,

the adhesion part includes a first adhesion part provided along an outer

peripheral edge of the electrical steel sheet and a second adhesion part provided along an inner peripheral edge of the electrical steel sheet,

a first ratio which is a ratio of a width of a portion of the first adhesion part provided along the outer peripheral edge of the core back part to a width of the core back part is 33% or less, and

a second ratio which is a ratio of a width of a portion of the second adhesion part provided along a side edge of the tooth part to a width of the tooth part is 10% or less.

8. The laminated core according to claim 7, wherein the first ratio is 5% or more, and the second ratio is 5% or more.

9. The laminated core according to claim 7 or 8, wherein the first ratio is equal to or greater than the second ratio.

10. The laminated core according to claim 1, wherein an average thickness of the adhesion part is 1.0 μm to 3.0 μm.

11. The laminated core according to claim 1, wherein an average tensile modulus of elasticity E of the adhesion part is 1500 MPa to 4500 MPa.

12. The laminated core according to claim 1, wherein the adhesion part is a room temperature adhesion type acrylic-based adhesive containing SGA made of an elastomer-containing acrylic-based adhesive.

13. An electric motor comprising the laminated core according to claim 1.